

FILE 'USPAT' ENTERED AT 15:19:48 ON 15 AUG 1997

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\* W E L C O M E T O T H E \*  
\* U . S . P A T E N T T E X T F I L E \*  
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=> e robinson, harriett/in

E#	FILE	FREQUENCY	TERM
E1	USPAT	2	ROBINSON, HAROLD R/IN
E2	USPAT	2	ROBINSON, HARRIET L/IN
E3	USPAT	0 -->	ROBINSON, HARRIETT/IN
E4	USPAT	1	ROBINSON, HARRY C/IN
E5	USPAT	1	ROBINSON, HARRY D JR/IN
E6	USPAT	1	ROBINSON, HARRY J/IN
E7	USPAT	1	ROBINSON, HARRY R/IN
E8	USPAT	1	ROBINSON, HARRY W/IN
E9	USPAT	1	ROBINSON, HELEN M/IN
E10	USPAT	1	ROBINSON, HENRY F/IN
E11	USPAT	1	ROBINSON, HENRY G/IN
E12	USPAT	1	ROBINSON, HENRY L/IN

=> s e2

L1 2 "ROBINSON, HARRIET L"/IN

=> t l1 bib ab 1-2

US PAT NO: 5,643,578 [IMAGE AVAILABLE] L1: 1 of 2  
DATE ISSUED: Jul. 1, 1997  
TITLE: Immunization by inoculation of DNA transcription unit  
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APPL-NO: 08/009,833  
DATE FILED: Jan. 27, 1993  
ART-UNIT: 183  
PRIM-EXMR: Lynette F. Smith  
LEGAL-REP: Hamilton, Brook, Smith & Reynolds, P.C.

US PAT NO: 5,643,578 [IMAGE AVAILABLE] L1: 1 of 2

ABSTRACT:

This invention relates to a method of immunizing a vertebrate, comprising introducing into the vertebrate a DNA transcription unit which comprises DNA encoding a desired antigen or antigens. The uptake of the DNA transcription unit by a host vertebrate results in the expression of the desired antigen or antigens, thereby eliciting humoral or cell-mediated immune responses or both humoral and cell-mediated responses. The elicited humoral and cell-mediated immune responses can provide protection against infection by pathogenic agents, provide an anti-tumor responses, or provide contraception. The host can be any vertebrate, avian or mammal, including humans.

US PAT NO: 5,620,896 [IMAGE AVAILABLE] L1: 2 of 2

DATE ISSUED: Apr. 15, 1997  
TITLE: DNA vaccines against rotavirus infections  
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APPL-NO: 08/426,169  
DATE FILED: Apr. 20, 1995  
ART-UNIT: 184  
PRIM-EXMR: Jacqueline M. Stone  
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LEGAL-REP: Fish & Richardson P.C.  
  
US PAT NO: 5,620,896 [IMAGE AVAILABLE] L1: 2 of 2

ABSTRACT:

This invention relates to methods of eliciting an immune response and/or protective immunity in a vertebrate by introducing into the vertebrate a DNA vaccine which consists essentially of DNA encoding an antigen or antigens, e.g., capsid proteins or polypeptides, of rotavirus. The uptake of the DNA vaccine by a host vertebrate results in the expression of the capsid protein, thereby eliciting humoral or cell-mediated immune responses, or both, which can provide protection against infection and/or prevent clinically significant rotavirus-caused disease. In addition, the invention demonstrates that an internal viral antigen provides protective immunity in a host. The host can be any vertebrate, including birds, piglets, and humans.

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